

# Photometric Test Report



## Jet Profile300LT

300W LT Profile Moving head, with 4° - 44°  
zoom and CMY  
(PRELIMINARY)

# CONTENTS

## Color Preset FULL ON

Max Zoom	Page 4
Med Zoom	Page 9
Min Zoom	Page 14

## TESTING PROCESS

Prolights has its own optical testing laboratory in order to provide accurate photometric reports for its lighting products. The testing laboratory contains certain variety of precise lighting measurement systems that ensure an optimal reading of all the characteristic parameters of the lighting devices. All measurements are made at a controlled room temperature of 20°C without any external light sources. This photometric report is obtained through the data measured by a high precision measurement system and analyzed by a dedicate software.

### Prolights measurement instrument

Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, like color temperature, spectral distribution, CRI, CQS, TM-30 with a very high accuracy rate.

**Please Note:** All measurements are made with light source at operating temperature. Before starting the measurement, the instrument analyzes the process of the light source during the heating phase. The measuring process of all the parameters begins only when the light emission is stable, that is with a variation of less than 0.5% in a 15 minutes time frame.

### Prolights measurement software

The software provides user friendly interface for the operator who does the measurements, and it also analyzes and processes all the collected data by the instrument. With this software it is possible to see the measured data in real-time and it is possible to examine all the measured data and graphics afterwards as well. All information is collected in a specific Prolights template, and the software creates also IES and LDT files, which are widely used to transfer the photometric data, and to develop lighting system.

Additionally, the fixtures are rechecked using various hand-held instruments like Sekonic C-700 and Gossen Mavospec Base, this is done to ensure, that the data in the photometric report are as accurate as possible.



Total lumen output:

12065 lm

Peak candela output:

32568 cd

Light quality:

CRI: 69,9

Color temperature:

6721 K

**PRODUCT NAME:**

JETPROFILE300LT

**MEASURAMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

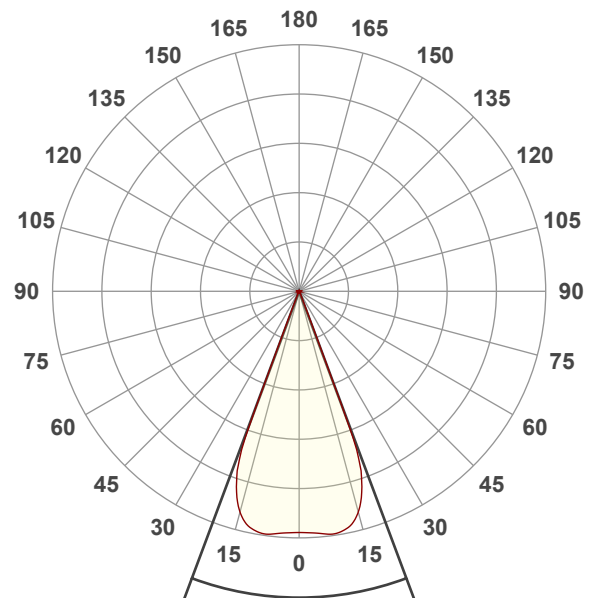
Full On

Operator:

Salvatore Giglio

Date and time:

09/01/2025 11:42:12

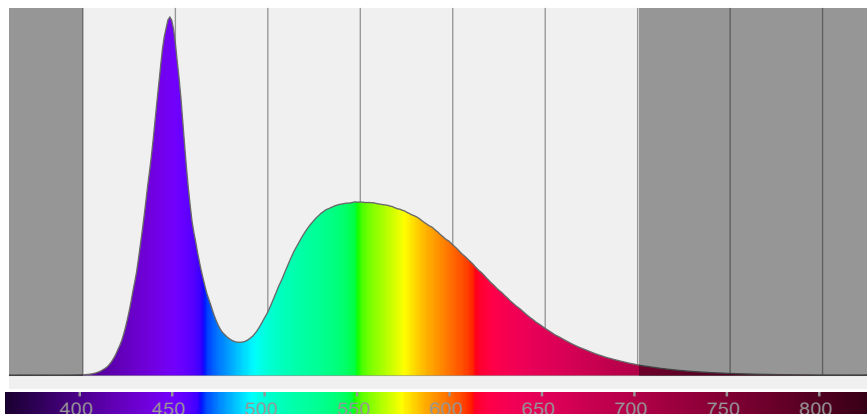


Beam angle 50%: 41°

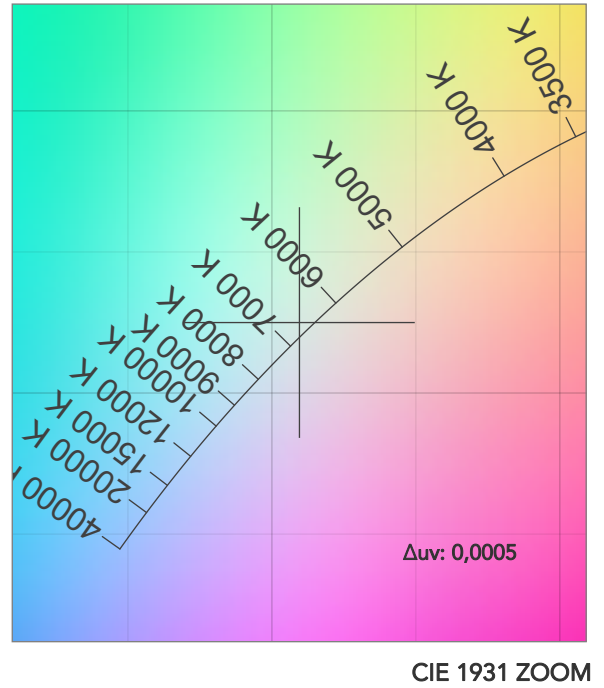
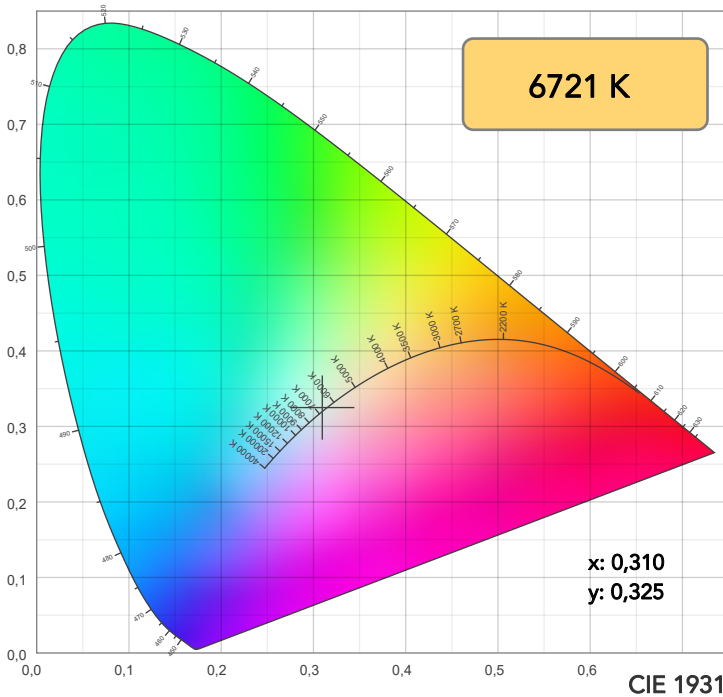
Field angle 10%: 42,6°

Cut off angle 2.5%: 44,1°

Spectra

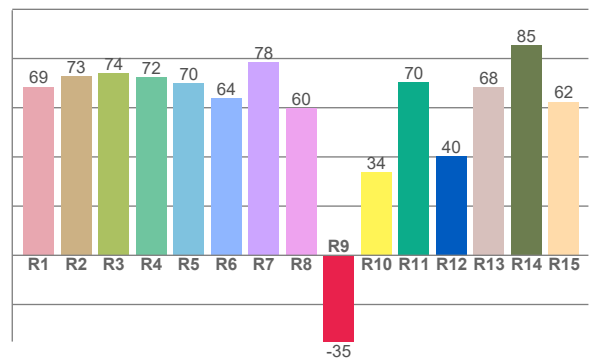
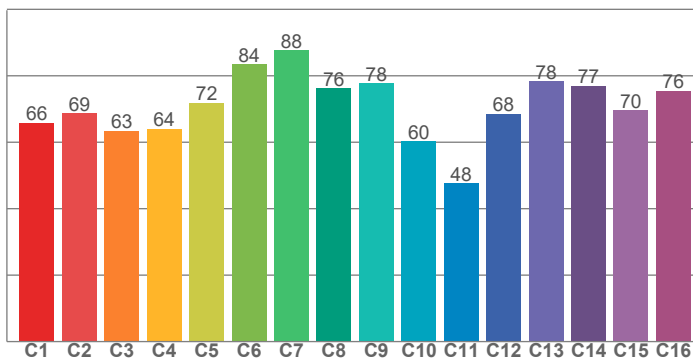


# COLOR DETAILS



TM30: 70,4

CRI: 69,9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
68,5	72,7	73,9	72,2	70,0	63,7	78,4	59,9	-35,1	33,8	70,5	40,3	68,4	85,3	62,4

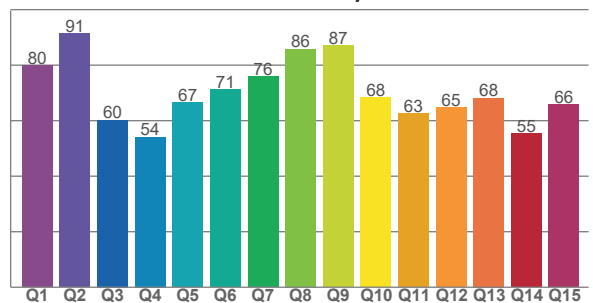
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65,9	68,8	63,4	64,1	71,9	83,5	87,6	76,3	77,8	60,2	47,7	68,5	78,3	77,0	69,5	75,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79,9	91,3	60,2	54,1	66,6	71,2	75,8	85,9	87,2	68,3	62,5	64,7	68,2	55,3	65,7

CQS: 68,5



## COLOR PARAMETERS

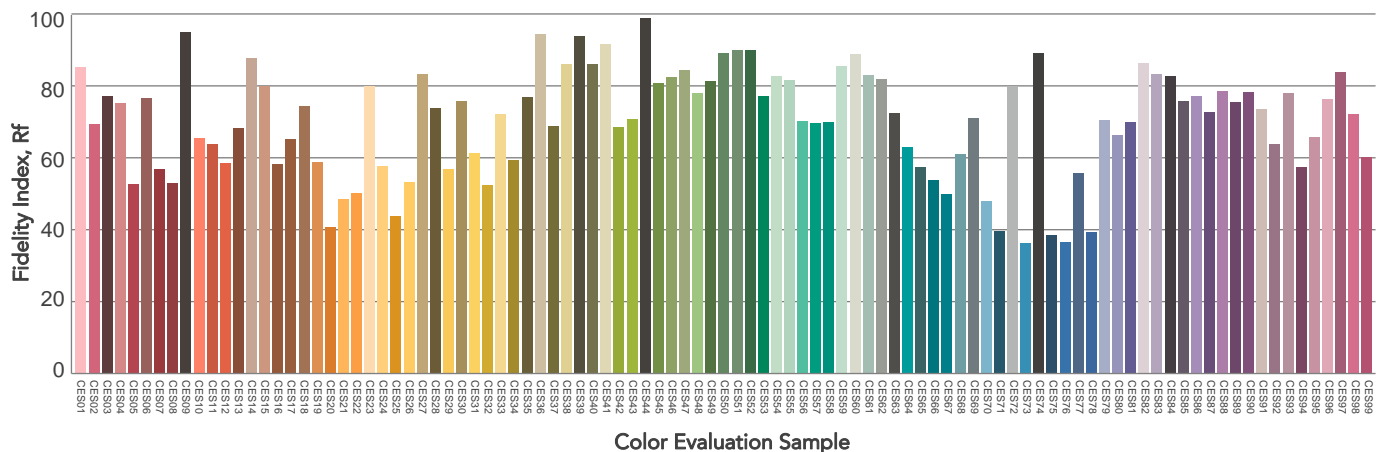
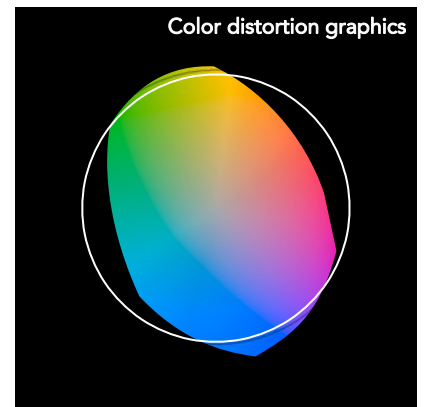
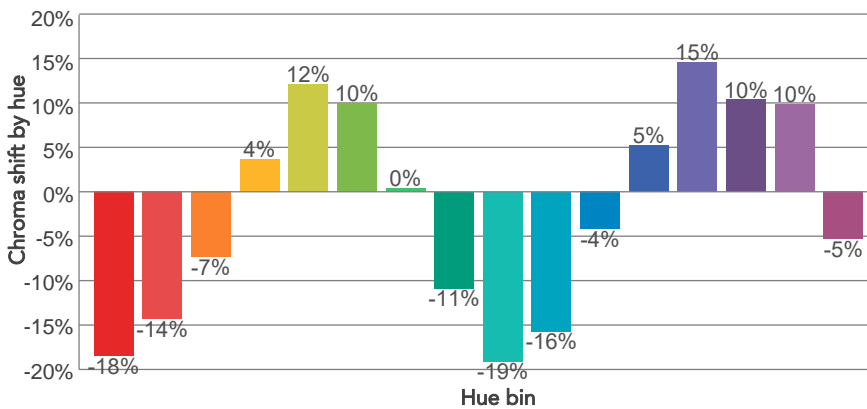
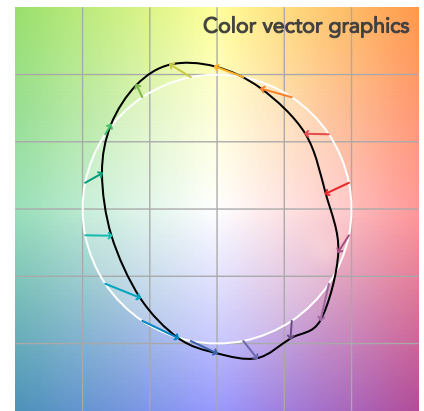
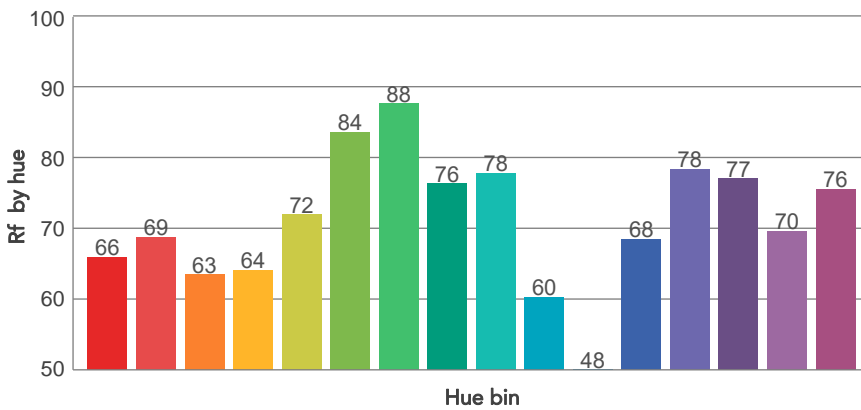
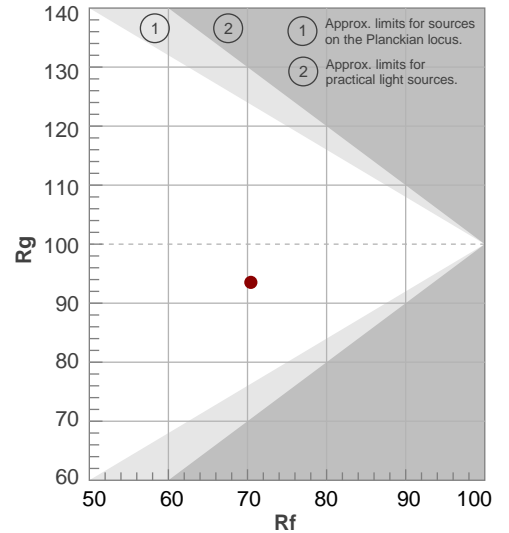
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6721 K	69,9	-35,1	70,4	93,5	68,5	47	0,310	0,325	0,0005

# TM30 DETAILS

**Rf 70,4**  
Fidelity index Rf

**Rg 93,5**  
Gammut index

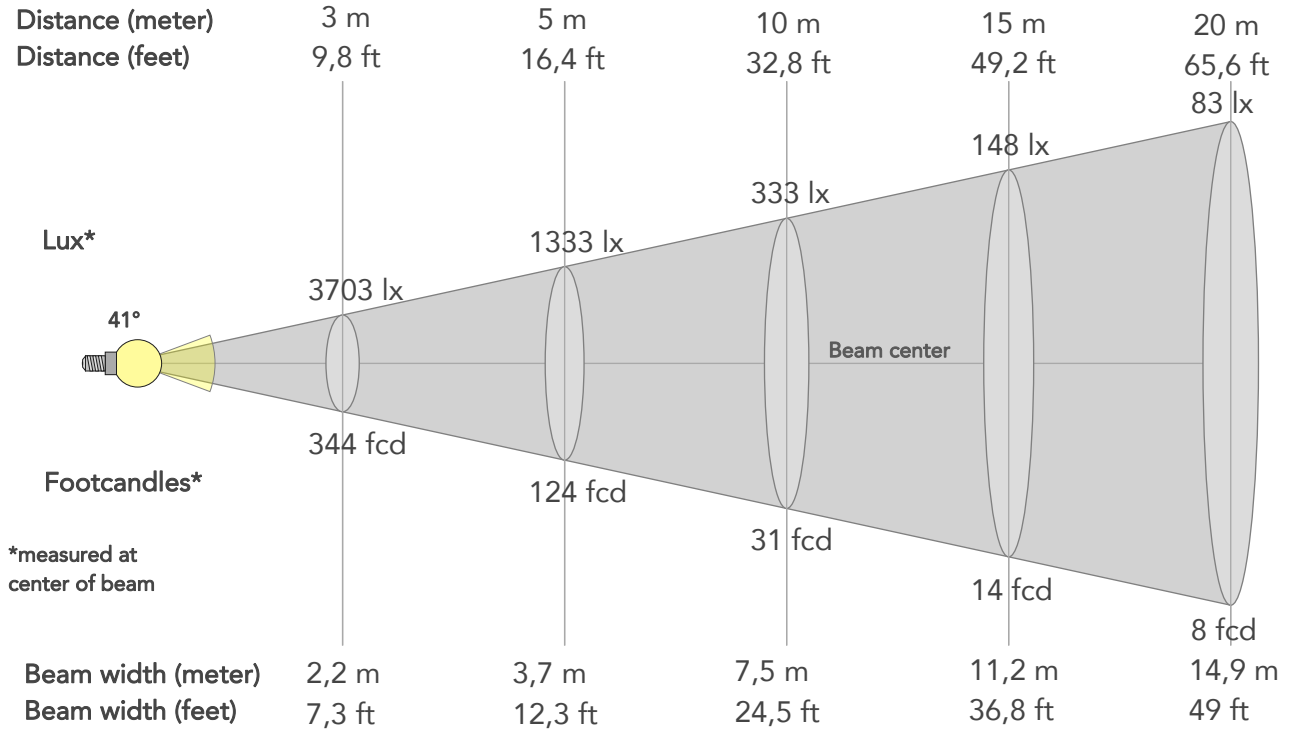
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	66	-18%	-5%
2	69	-14%	10%
3	63	-7%	22%
4	64	4%	22%
5	72	12%	13%
6	84	10%	-1%
7	88	0%	-8%
8	76	-11%	-9%
9	78	-19%	4%
10	60	-16%	23%
11	48	-4%	29%
12	68	5%	21%
13	78	15%	7%
14	77	10%	-8%
15	70	10%	-26%
16	76	-5%	-14%



# BEAM DETAILS



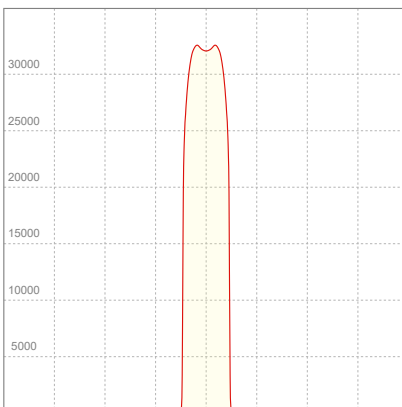
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41°	42,6°	44,1°	99,8%	99,7%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	33324lx	8331lx	3703lx	2083lx	1333lx	592lx	333lx	148lx	83lx	53lx	37lx	21lx	13lx
Footcand.	3096fcd	774fcd	344fcd	193fcd	124fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,7m	1,5m	2,2m	2,9m	3,7m	5,5m	7,3m	11m	14,6m	18,3m	22m	29,3m	36,6m
Beam wid.	2,4ft	4,8ft	7,2ft	9,6ft	12ft	18ft	24ft	36ft	48ft	60,1ft	72,1ft	96,1ft	120,1ft

## LINEAR DISTRIBUTION DIAGRAM

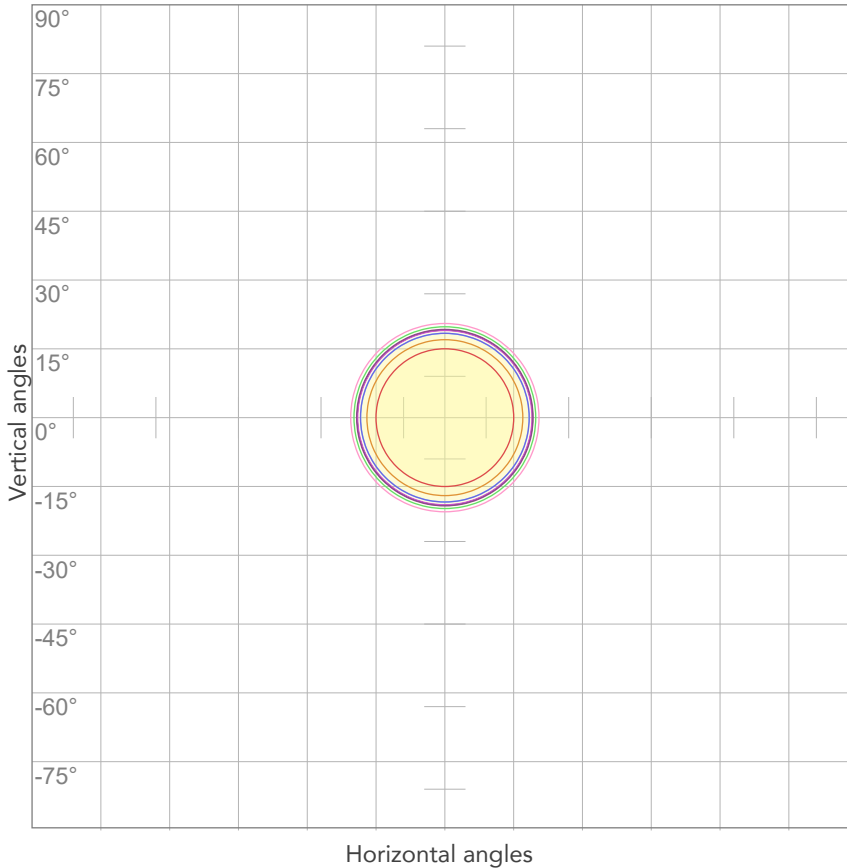


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,88A	410,9W	0,97	29lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



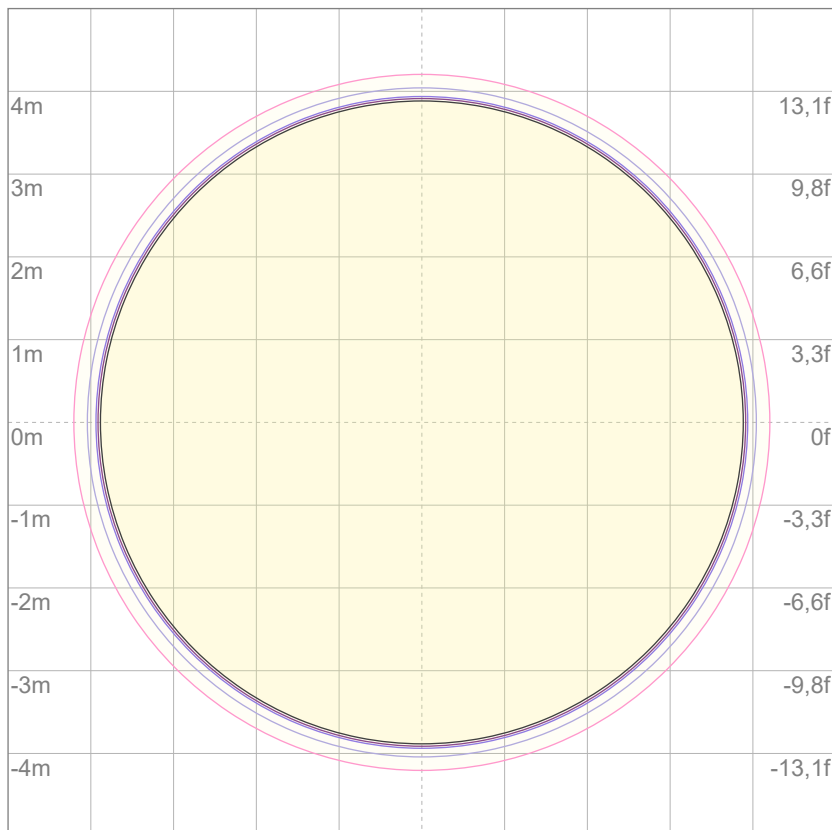
10%	3206 cd
20%	6412 cd
30%	9618 cd
40%	12823 cd
50%	16029 cd
60%	19235 cd
70%	22441 cd
80%	25647 cd

Conditions:

Number of c-planes: 2

Candela at center: 32059 cd

## ISO LUX DIAGRAM



3%	9,62 lx
5%	16,0 lx
10%	32,1 lx
30%	96,2 lx
50%	160 lx

Conditions:

Number of c-planes: 2

Lux at center: 321 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.





Total lumen output:

11979 lm

Peak candela output:

221475 cd

Light quality:

CRI: 70,3

Color temperature:

6726 K

**PRODUCT NAME:**

JETPROFILE300LT

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

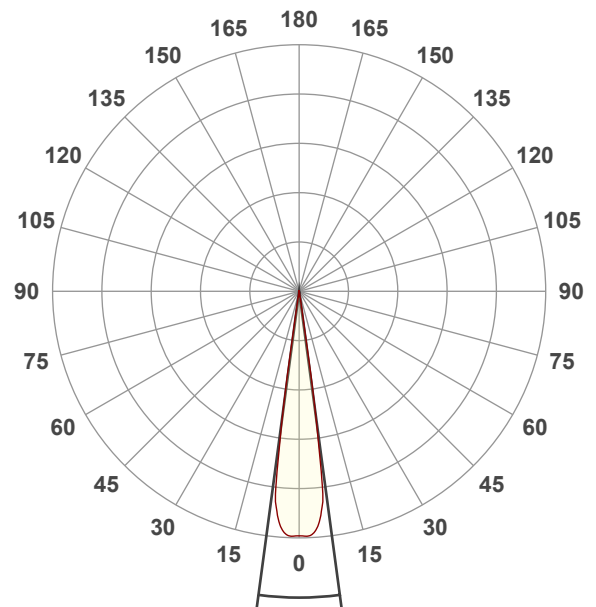
Full On

Operator:

Salvatore Giglio

Date and time:

09/01/2025 13:14:14

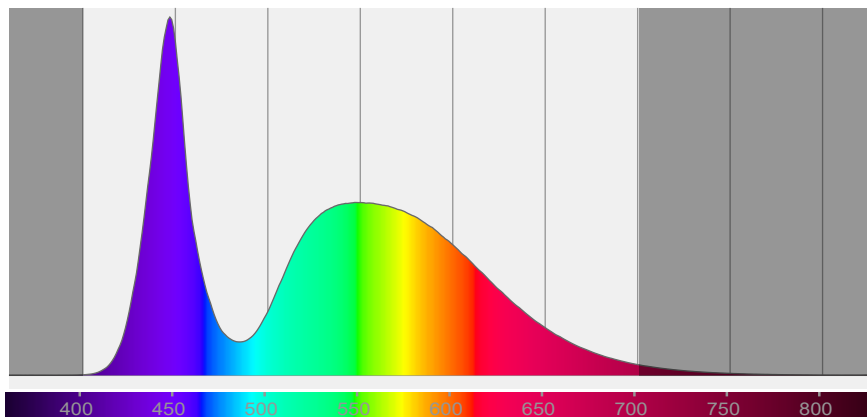


Beam angle 50%: 15,3°

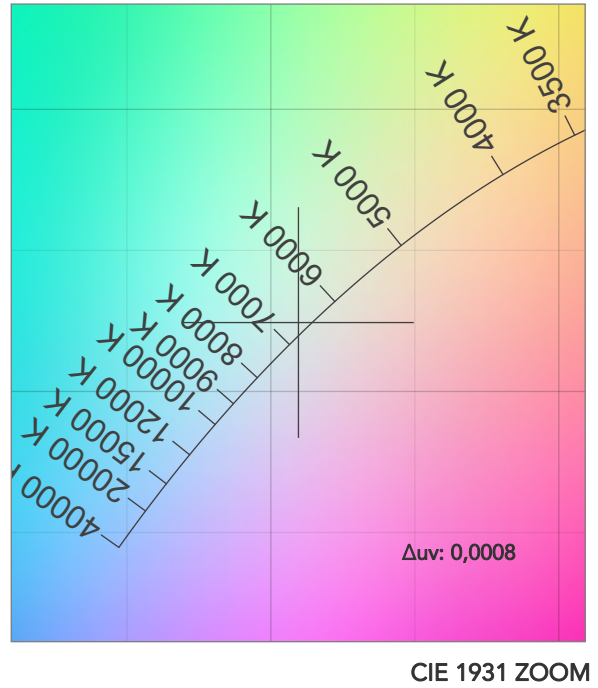
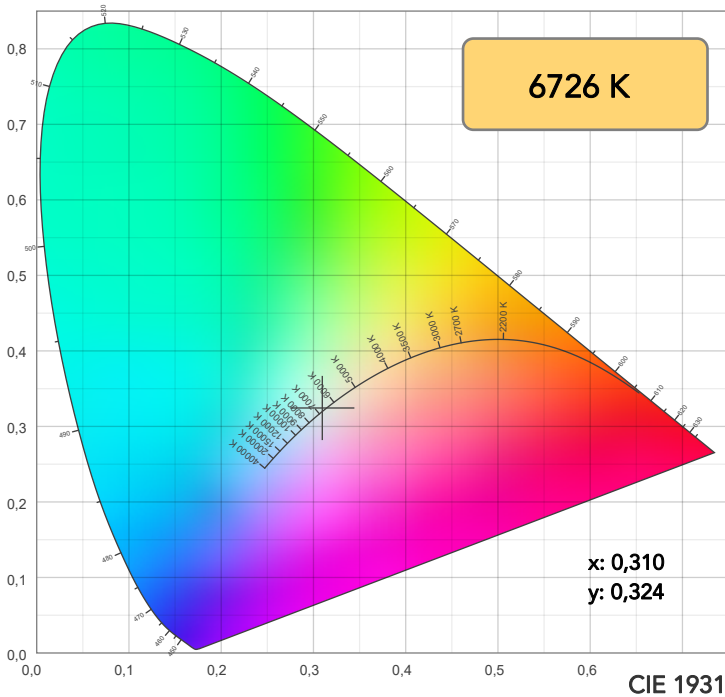
Field angle 10%: 17,3°

Cut off angle 2.5%: 18,7°

Spectra

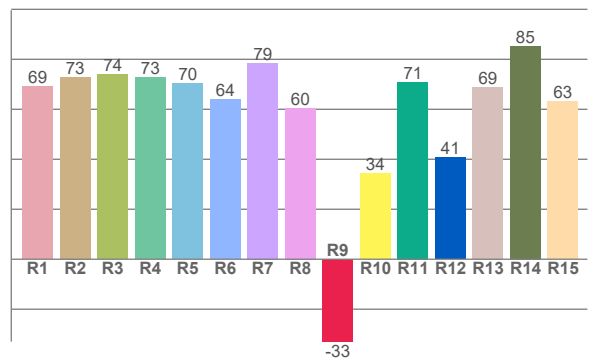
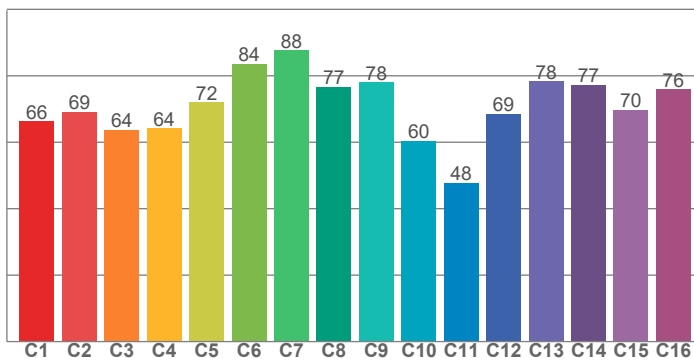


# COLOR DETAILS



TM30: 70,6

CRI: 70,3 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69,1	73,0	74,0	72,6	70,4	64,0	78,6	60,4	-33,0	34,3	70,9	40,7	68,9	85,3	63,1

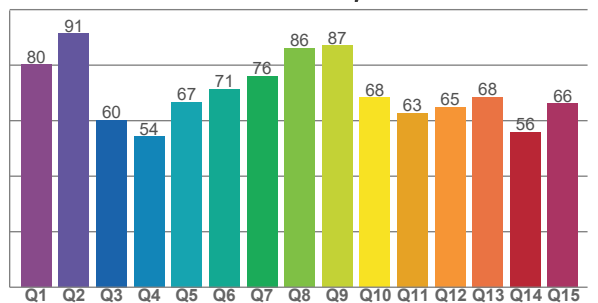
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66,3	69,1	63,7	64,3	72,1	83,7	87,7	76,6	78,0	60,4	47,8	68,6	78,4	77,3	69,8	75,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80,2	91,3	60,2	54,2	66,8	71,5	76,1	86,1	87,1	68,4	62,7	64,9	68,5	55,9	66,2

CQS: 68,7



## COLOR PARAMETERS

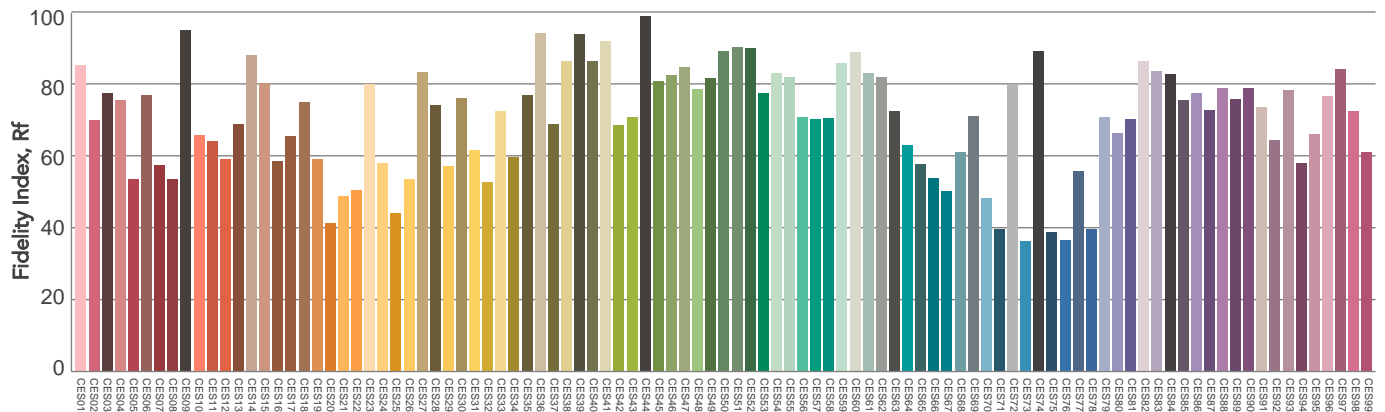
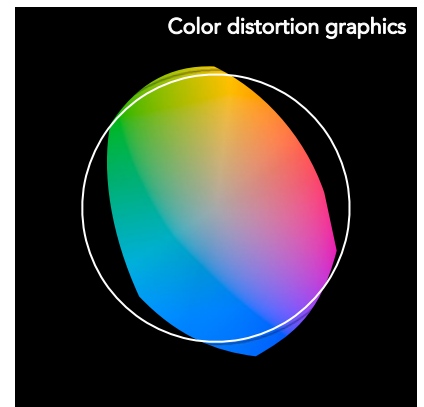
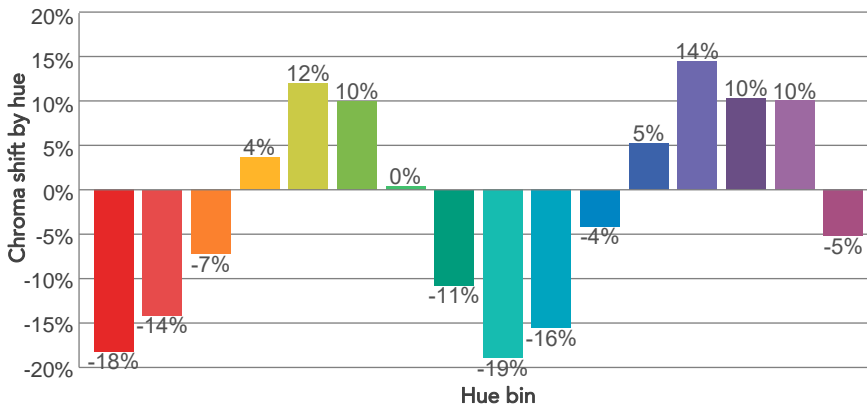
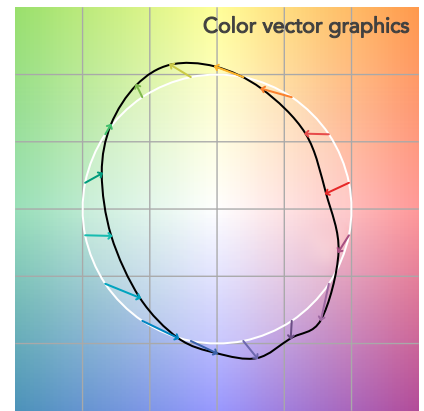
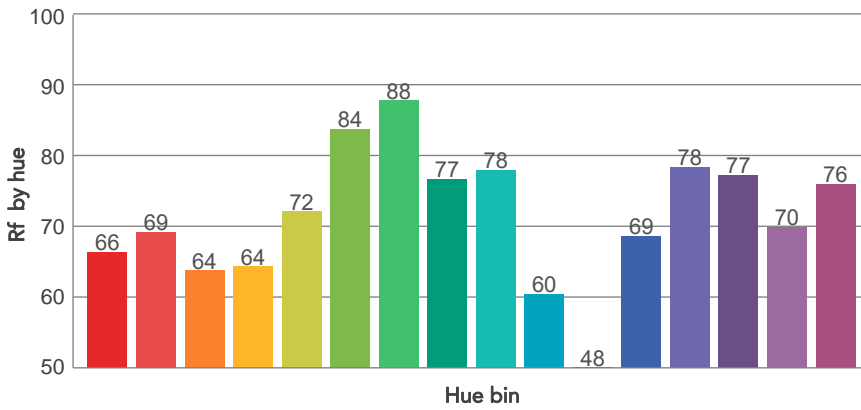
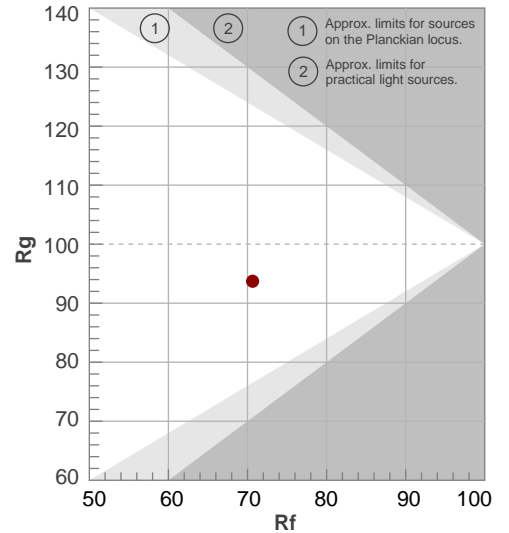
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6726 K	70,3	-33,0	70,6	93,7	68,7	47	0,310	0,324	0,0008

# TM30 DETAILS

**Rf 70,6**  
Fidelity index Rf

**Rg 93,7**  
Gammut index

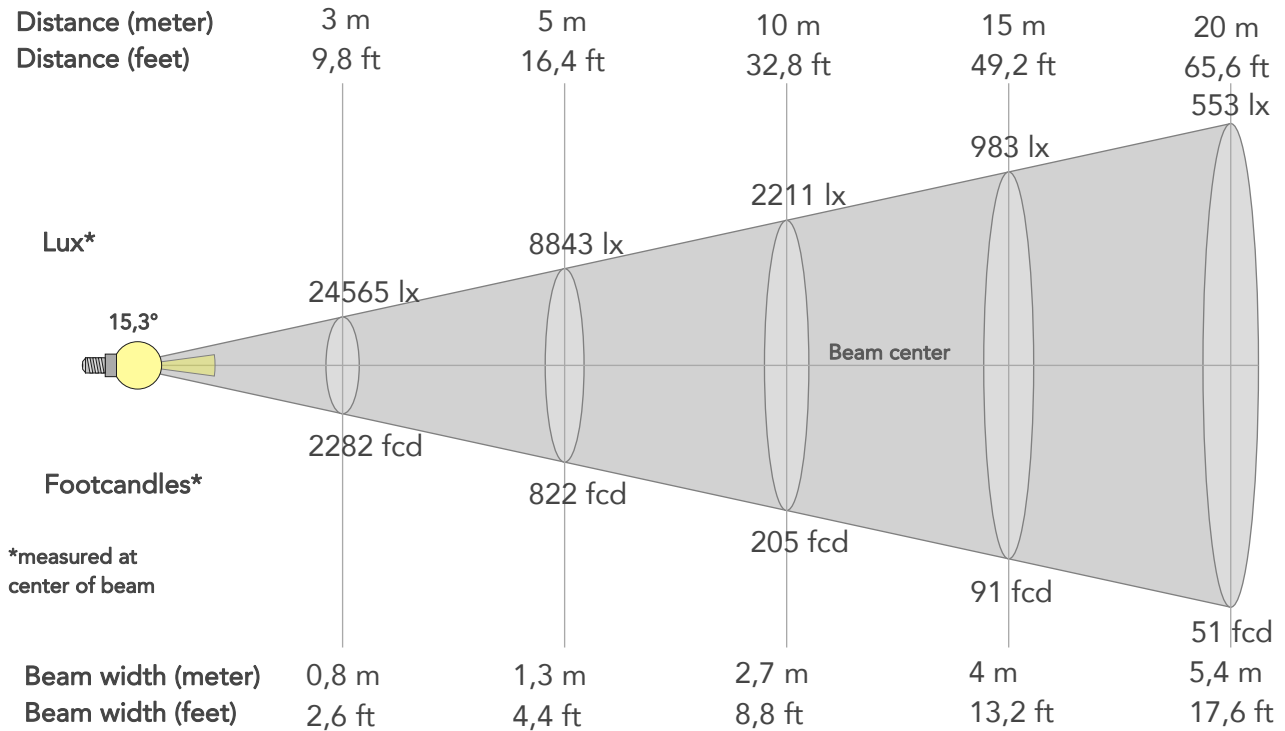
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	66	-18%	-4%
2	69	-14%	10%
3	64	-7%	22%
4	64	4%	22%
5	72	12%	13%
6	84	10%	-1%
7	88	0%	-8%
8	77	-11%	-9%
9	78	-19%	4%
10	60	-16%	23%
11	48	-4%	29%
12	69	5%	21%
13	78	14%	8%
14	77	10%	-8%
15	70	10%	-26%
16	76	-5%	-14%



# BEAM DETAILS



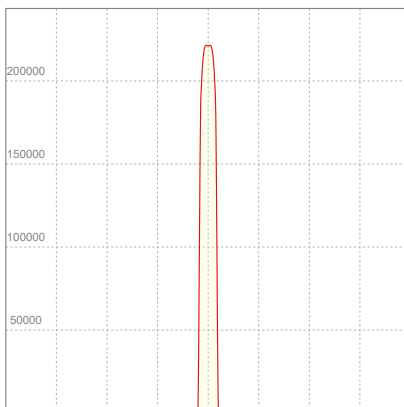
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,3°	17,3°	18,7°	100,0%	100,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	221086lx	55272lx	24565lx	13818lx	8843lx	3930lx	2211lx	983lx	553lx	354lx	246lx	138lx	88lx
Footcand.	20540fcd	5135fcd	2282fcd	1284fcd	822fcd	365fcd	205fcd	91fcd	51fcd	33fcd	23fcd	13fcd	8fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,7m	4m	5,4m	6,7m	8m	10,7m	13,4m
Beam wid.	0,9ft	1,8ft	2,6ft	3,5ft	4,4ft	6,6ft	8,8ft	13,2ft	17,6ft	22ft	26,4ft	35,2ft	43,9ft

## LINEAR DISTRIBUTION DIAGRAM

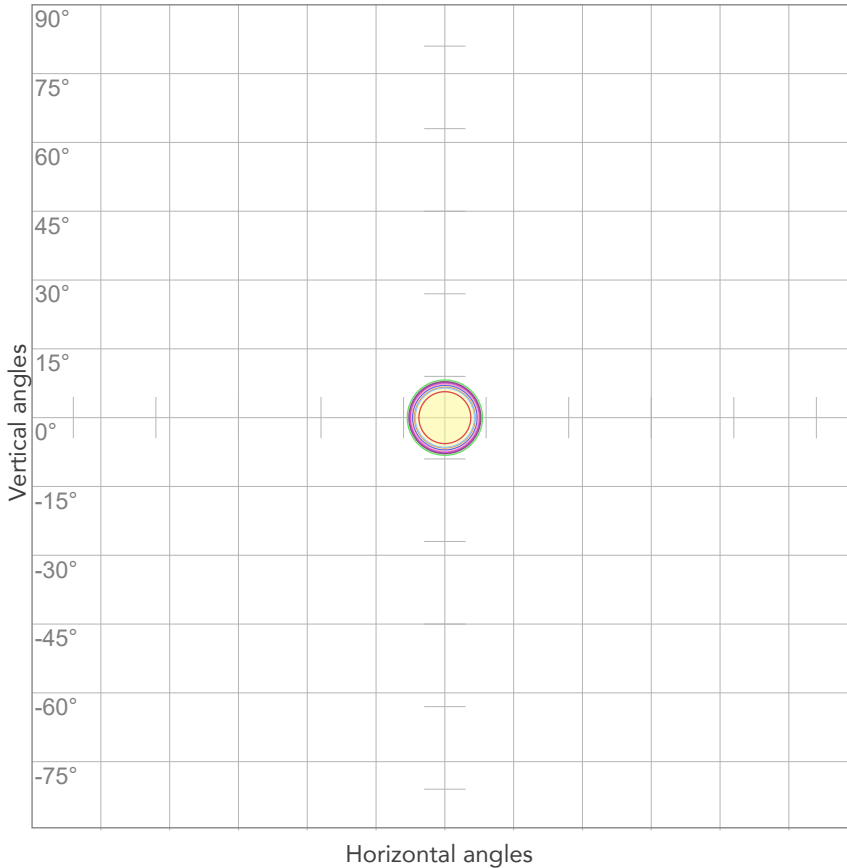


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,86A	407,7W	0,98	29lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



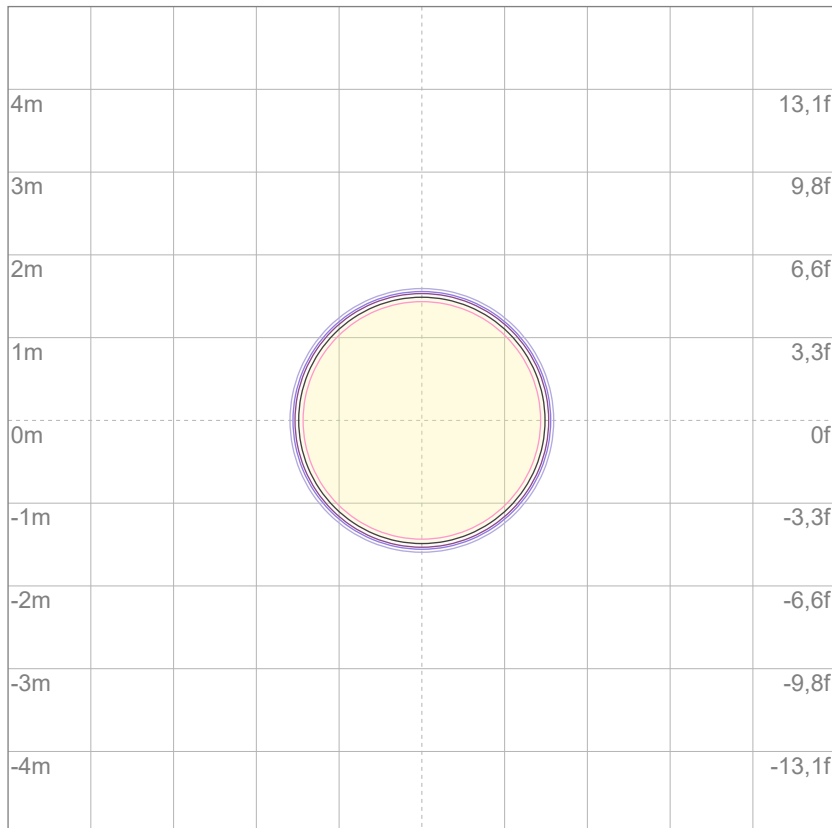
10%	22109 cd
20%	44217 cd
30%	66326 cd
40%	88434 cd
50%	110543 cd
60%	132652 cd
70%	154760 cd
80%	176869 cd

Conditions:

Number of c-planes: 2

Candela at center: 221086 cd

## ISO LUX DIAGRAM



3%	66,3 lx
5%	111 lx
10%	221 lx
30%	663 lx
50%	1105 lx

Conditions:

Number of c-planes: 2

Lux at center: 2211 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)



Total lumen output:

8313 lm

Peak candela output:

2214935 cd

Light quality:

CRI: 70,4

Color temperature:

6620 K

**PRODUCT NAME:**

JETPROFILE300LT

**MEASURAMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

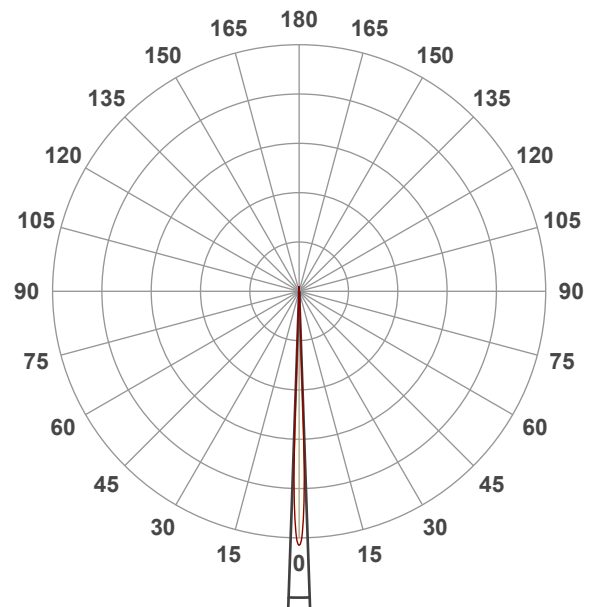
Full On

Operator:

Salvatore Giglio

Date and time:

09/01/2025 11:26:02

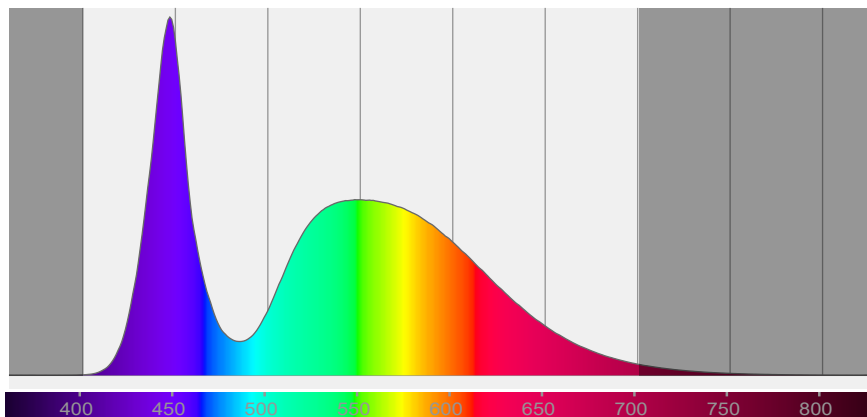


Beam angle 50%: 3,9°

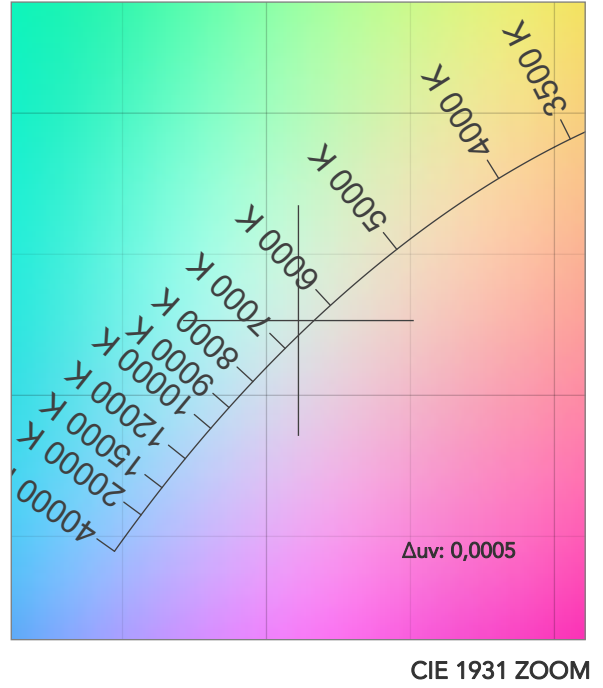
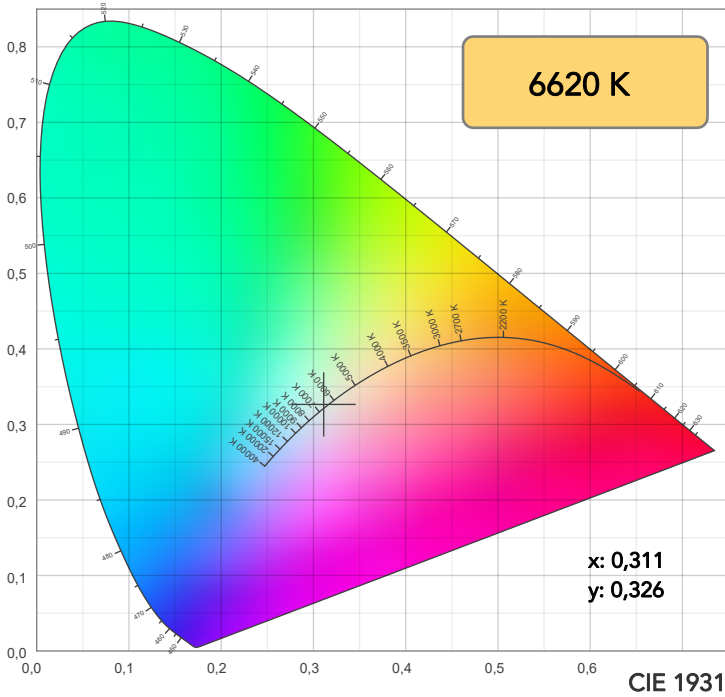
Field angle 10%: 5,1°

Cut off angle 2.5%: 6,1°

Spectra

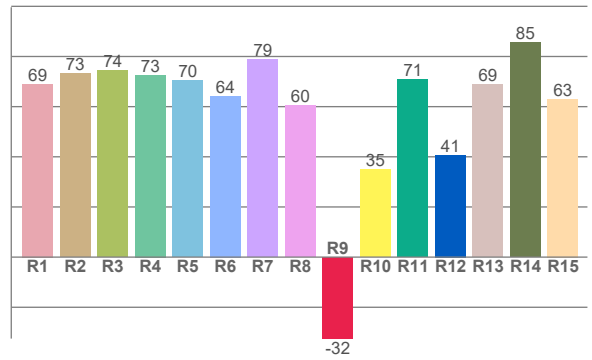
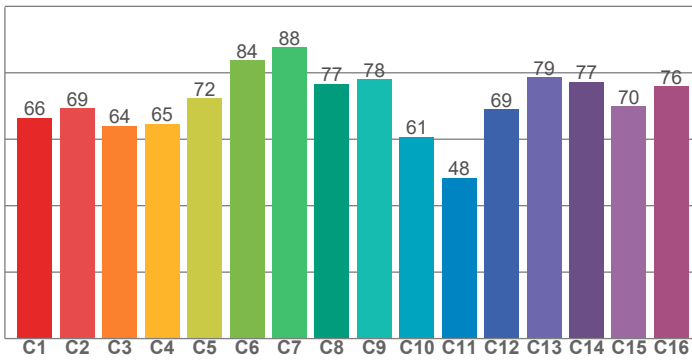


# COLOR DETAILS



TM30: 70,9

CRI: 70,4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69,1	73,1	74,4	72,7	70,4	64,2	78,8	60,4	-32,5	34,8	70,8	40,7	68,9	85,5	63,1

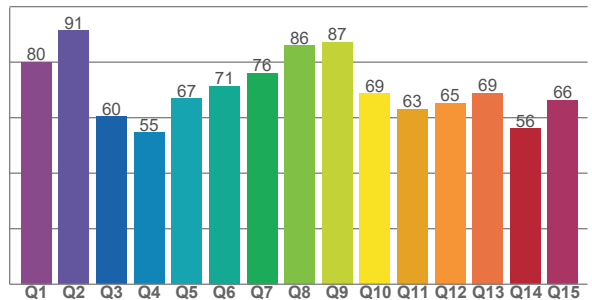
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66,5	69,4	64,0	64,7	72,4	83,8	87,7	76,7	78,1	60,7	48,4	69,0	78,6	77,3	69,9	76,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80,1	91,5	60,4	54,6	67,0	71,5	76,0	86,0	87,3	68,8	63,2	65,4	68,8	56,2	66,3

CQS: 68,9



## COLOR PARAMETERS

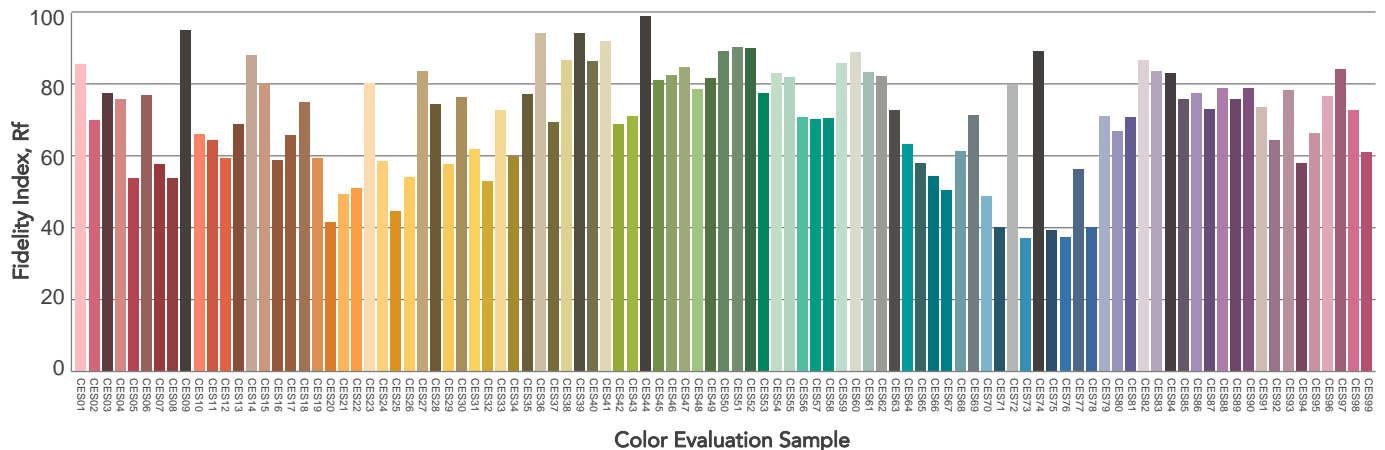
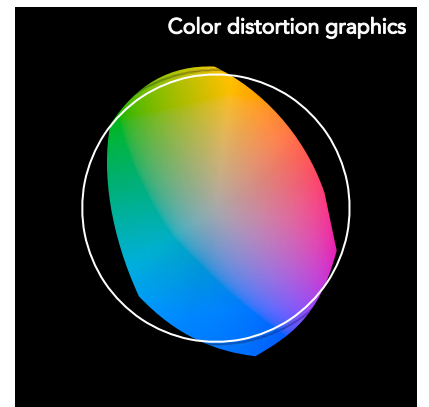
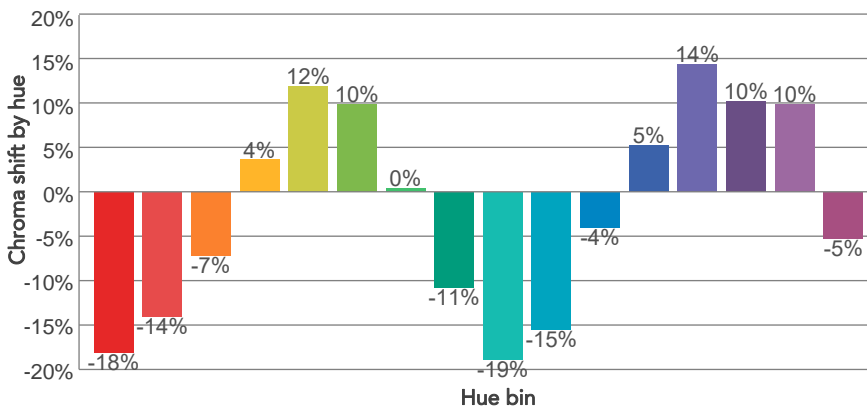
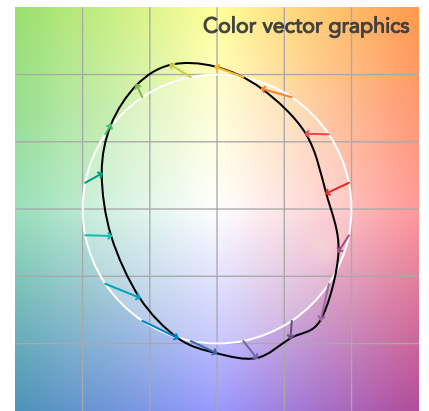
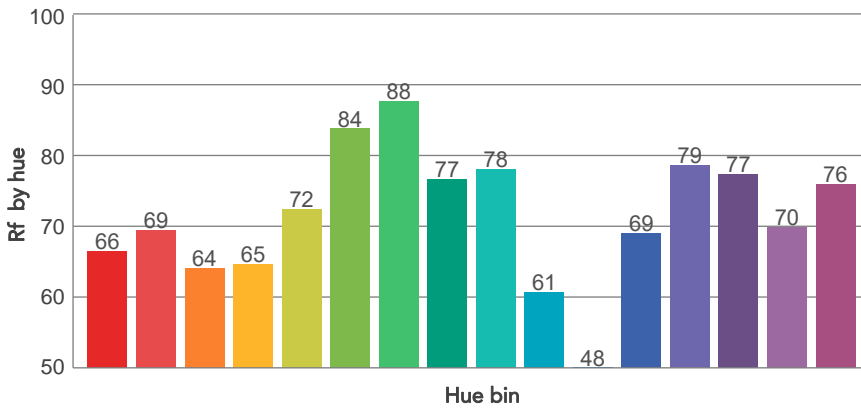
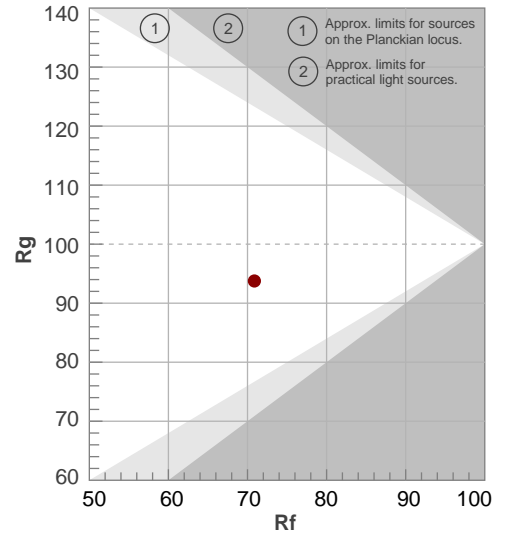
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6620 K	70,4	-32,5	70,9	93,8	68,9	48	0,311	0,326	0,0005

# TM30 DETAILS

**Rf 70,9**  
Fidelity index Rf

**Rg 93,8**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	66	-18%	-4%
2	69	-14%	10%
3	64	-7%	22%
4	65	4%	22%
5	72	12%	13%
6	84	10%	-1%
7	88	0%	-8%
8	77	-11%	-9%
9	78	-19%	4%
10	61	-15%	23%
11	48	-4%	29%
12	69	5%	20%
13	79	14%	7%
14	77	10%	-8%
15	70	10%	-25%
16	76	-5%	-13%

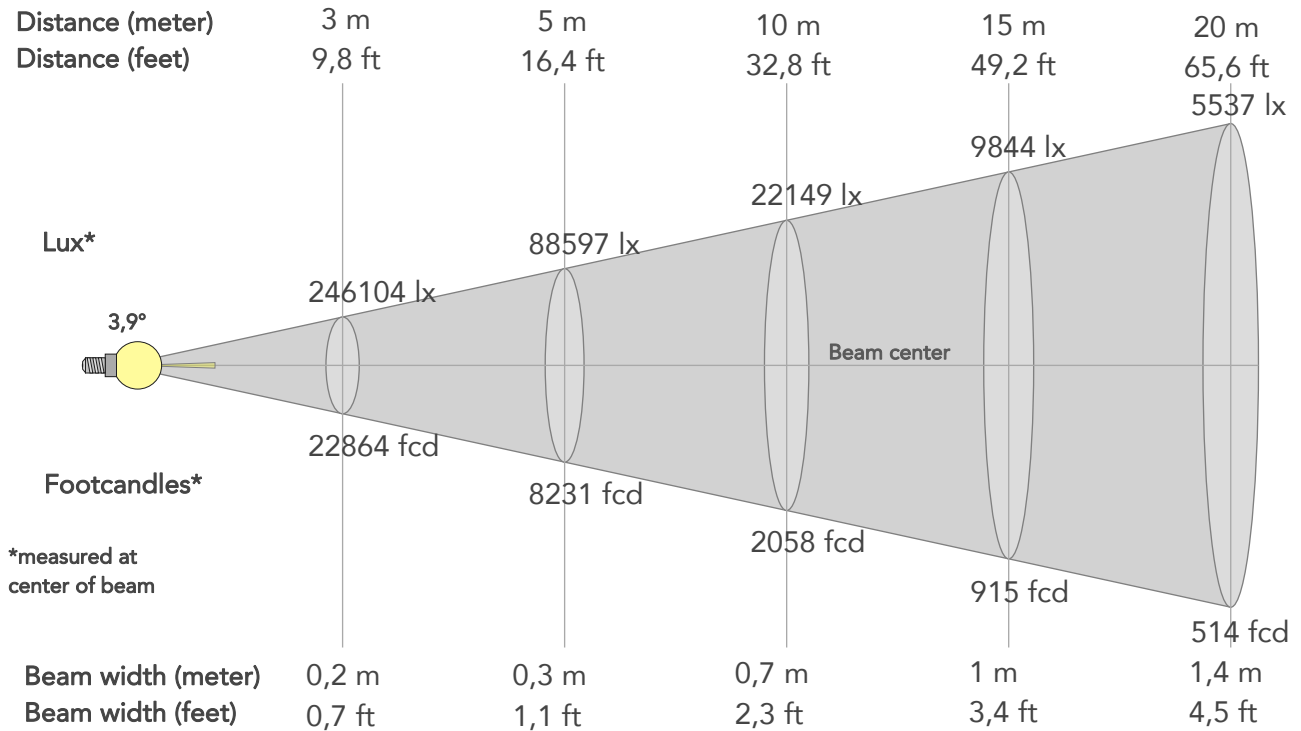




# BEAM DETAILS



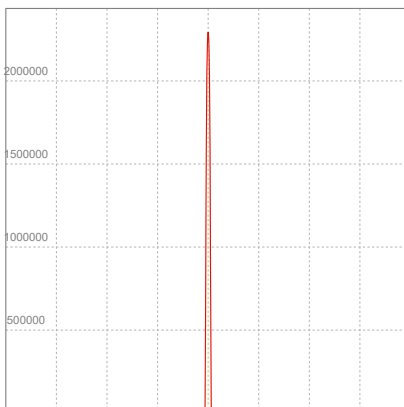
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
3,9°	5,1°	6,1°	99,9%	99,9%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	2214934lx	553734lx	246104lx	138433lx	88597lx	39377lx	22149lx	9844lx	5537lx	3544lx	2461lx	1384lx	886lx
Footcand.	205774fcd	51444fcd	22864fcd	12861fcd	8231fcd	3658fcd	2058fcd	915fcd	514fcd	329fcd	229fcd	129fcd	82fcd
Beam wid.	0,1m	0,1m	0,2m	0,3m	0,3m	0,5m	0,7m	1m	1,4m	1,7m	2,1m	2,8m	3,4m
Beam wid.	0,2ft	0,5ft	0,7ft	0,9ft	1,1ft	1,7ft	2,3ft	3,4ft	4,5ft	5,6ft	6,8ft	9ft	11,3ft

## LINEAR DISTRIBUTION DIAGRAM

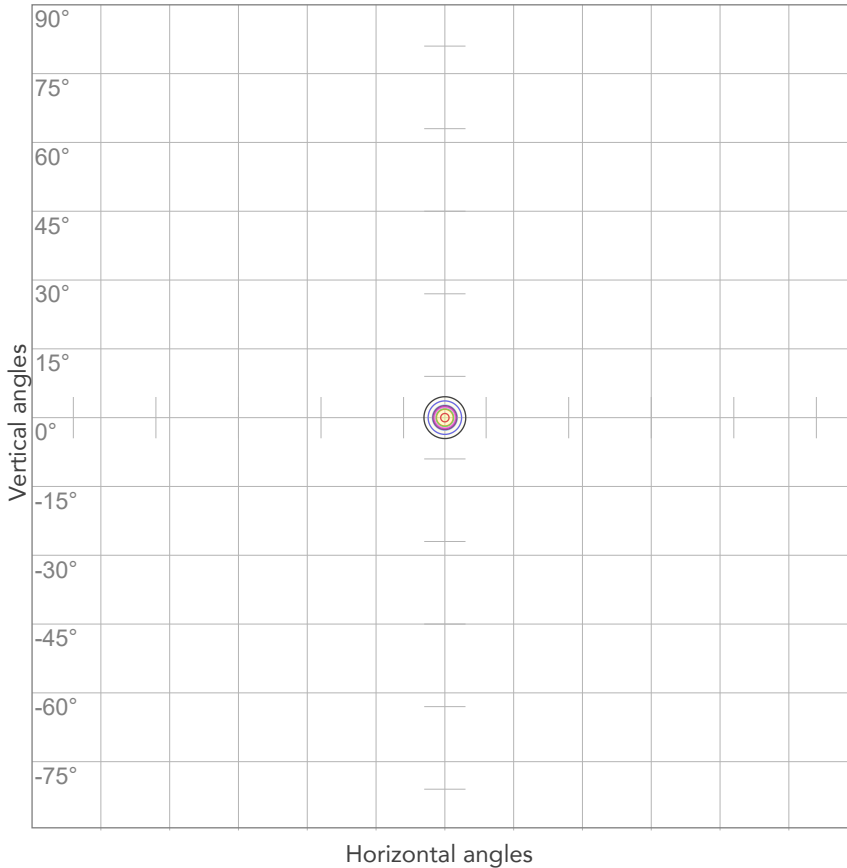


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	1,88A	412,1W	0,98	20lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



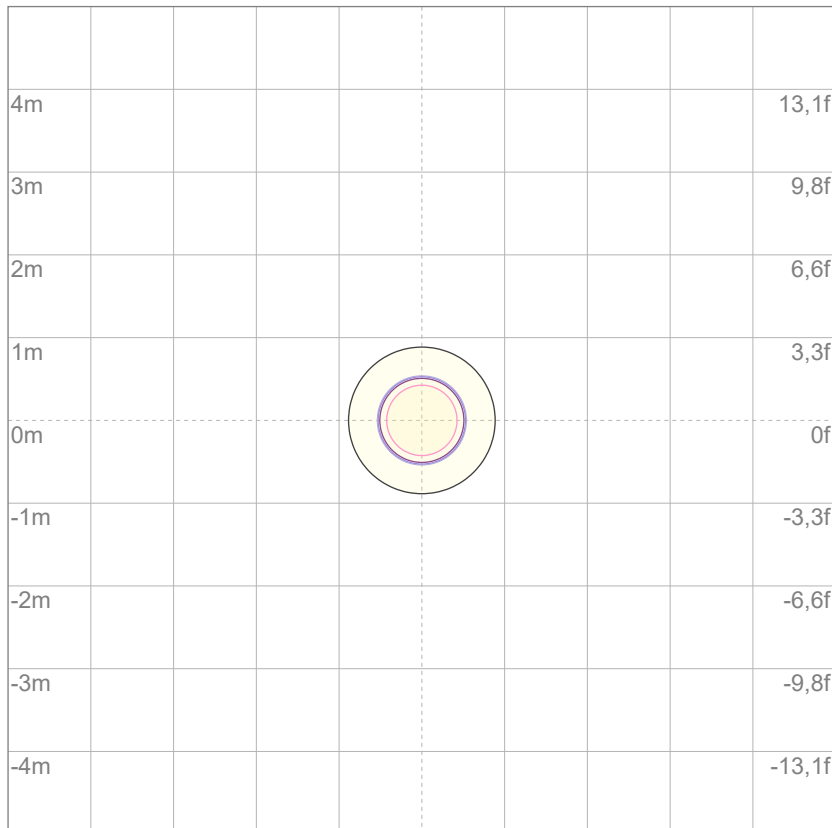
10%	221493 cd
20%	442987 cd
30%	664480 cd
40%	885974 cd
50%	1107467 cd
60%	1328961 cd
70%	1550454 cd
80%	1771948 cd

Conditions:

Number of c-planes: 2

Candela at center: 2214934 cd

## ISO LUX DIAGRAM



3%	664 lx
5%	1107 lx
10%	2215 lx
30%	6645 lx
50%	11,1K lx

Conditions:

Number of c-planes: 2

Lux at center: 22,1K lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)